

IN THE CLAIMS:

Please CANCEL claims 1, 3-12, and 14-18 without prejudice to or waiver of their subject matter, AMEND claims 2 and 13, and ADD claims 19 and 20, as follows.

Claim 1 (Cancelled).

2. (Currently Amended) A fixing apparatus, comprising:

magnetic flux generation means for generating a magnetic flux ~~by energization,~~  
a heat generating an induction heating member for generating heat by the magnetic flux generated by said magnetic flux generating means to heat an unfixed image on a recording material ~~by the generated heat,~~

~~temperature~~ detection means for detecting a temperature of said ~~induction heating~~ heat generating member,

electric power supply means for supplying an electric power to said magnetic flux generation means so that a temperature of said heat generating member is close to a target temperature, on the basis of a detection result of said detection means, and

electric power change means for changing the electric power supplied to said magnetic flux generation means without changing the target temperature, on the basis of information on a density of an image formed on the recording material,

wherein when the density of the image formed on the recording material is high, said electric power change means increases the electric power supplied to said magnetic

flux generation means, compared with a chase where the density of the image formed on the recording material is low.

~~temperature control means for controlling the temperature of said induction heating member to a predetermined target temperature on the basis of information of said temperature detection means;~~

~~heat generating rate change means for changing a heat generating rate of said induction heating means; and~~

~~density detection means for detecting information as to a density of an image to be formed on the recording material;~~

~~wherein said heat generating rate change means changes the heat generating rate on the basis of the information of said density detection means without changing the predetermined target temperature.~~

Claims 3-12 (Cancelled).

13. (Currently Amended) A fixing apparatus, comprising:

a heating member for heating an unfixed image on a recording material,

heating means for heating ~~generating heat by energization to heat~~ said heating member,

~~temperature~~ detection means for detecting a temperature of said heating member,

electric power supply means for supplying an electric power to said heating means so that a temperature of said heating member is close to a target temperature, on the basis of a detection result of said detection means, and

electric power change means for changing the electric power supplied to said heating means without changing the target temperatures, on the basis of information on a density of an image formed on the recording material,

wherein when the density of the image formed on the recording material is high, the electric power change means increases the electric power supplied to said heating means, compared with a case where the density of the image formed on the recording material is low.

~~temperature control means for controlling the temperature of said heating member to a predetermined target temperature on the basis of information of said temperature detection means,~~

~~electric power change means for changing an electric power of said heating means, and~~

~~density detection means for detecting information as to a density of an image to be formed on the recording material,~~

~~wherein said heat generating rate change means changes the heat generating rate on the basis of the information of said density detection means without changing the predetermined target temperature.~~

Claim 14-18 (Cancelled).

19. (New) A fixing apparatus, comprising:

magnetic flux generation means for generating a magnetic flux,

a heat generating member for generating heat by the magnetic flux generated by said magnetic flux generation means to heat an unfixed image on a recording material,

detection means for detecting a temperature of said heat generating member,

electric power supply means for supplying an electric power to said magnetic flux generation means on the basis of a detection result of said detection means, and

electric power change means for changing the electric power supplied to said magnetic flux generation means,

wherein when an image formed on the recording material is formed of toners of a plurality of colors, said electric power change means increases the electric power supplied to said magnetic flux generation means, compared with a case where the image formed on the recording material is formed of toner of a single color.

20. (New) A fixing apparatus, comprising:

a heating member for heating an unfixed image on a recording material,

heating means for heating said heating member,

detection means for detecting a temperature of said heating member,

electric power supply means for supplying an electric power to said heating means on the basis of a detection result of said detection means, and

electric power change means for changing the electric power supplied to said heating means,

wherein when an image formed on the recording material is formed of toners of a plurality of colors, said electric power change means increases the electric power supplied to the heating means, compared with a case where the image formed on the recording material is formed of toner of a single color.